

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/575,704  
Source: 1FWP  
Date Processed by STIC: 2/10/07

# ENTERED



IFWP

## RAW SEQUENCE LISTING

DATE: 02/10/2007

PATENT APPLICATION: US/10/575,704

TIME: 09:46:22

Input Set : E:\22337-Sequence Listing.txt

Output Set: N:\CRF4\02102007\J575704.raw

3 <110> APPLICANT: Roche Molecular Systems  
 5 <120> TITLE OF INVENTION: Method for Distinguishing AML Subtypes with Different Gene  
 6 Dosages  
 8 <130> FILE REFERENCE: 22337-US  
 10 <140> CURRENT APPLICATION NUMBER: US 10/575,704  
 C--> 11 <141> CURRENT FILING DATE: 2006-04-13  
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012469  
 14 <151> PRIOR FILING DATE: 2003-11-04  
 16 <160> NUMBER OF SEQ ID NOS: 239  
 18 <170> SOFTWARE: PatentIn version 3.4  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 491  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Homo sapiens  
 26 <220> FEATURE:  
 27 <221> NAME/KEY: misc\_feature  
 28 <223> OTHER INFORMATION: n = any nucleotide  
 30 <400> SEQUENCE: 1  
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 33 aagaaacaga acactggctc aaagaaaagc aataaaaata agagtggcaa gaaccagtt 120  
 35 aacagaggtg gtggccatag aggacgtgg ggattcaata tgcgtgggg aaatttcaga 180  
 37 ggaggagccc ctggaatcg tggcgatata aataggaggg gcaacatgcc acagagaggt 240  
 39 ggtggcgttg gaggaatgtg tggaatcggc tatccatacc ctgcgtgccc tgttttcct 300  
 41 ggccgtgtt gttactcaaa cagagggAAC tacaacagag gtggaatgcc caacagaggg 360  
 43 aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag 420  
 45 ggctacaacc agtggcagca gggtaattc tgggtcaga agccatggag tcagcattat 480  
 47 caccaaggat a 491  
 50 <210> SEQ ID NO: 2  
 51 <211> LENGTH: 307  
 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Homo sapiens  
 55 <400> SEQUENCE: 2  
 56 gaattctcca aaacaatttt ctgcaggatg attgtacaga atcattgcct atgacatgtat 60  
 58 cgctttctac actgtattac ataaataaaat taaataaaat aaccccgggc aagacttttc 120  
 60 tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca 180  
 62 gattcaattt tcttaacca gtctgaagtt tcatttatga tacaaaagaa gatgaaaatgt 240  
 64 gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct tttaagatgt 300  
 66 gtcttca 307  
 69 <210> SEQ ID NO: 3  
 70 <211> LENGTH: 519  
 71 <212> TYPE: DNA  
 72 <213> ORGANISM: Homo sapiens  
 74 <400> SEQUENCE: 3

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75	gttggact ttaatagcgt tgcaacgaaa tcctatatcc agtttcgtt aatattaattg	60
77	aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca	120
79	tgtgactgtt atgattatca gaatatgtct taactttta gggcaaagtt aacactgaaa	180
81	gttctagctt aagtgtgaa acctttgtgg gaaaaaaaaa tcactttga aactcagact	240
83	tcagtgata cccaaataatt taaaattatg taaaaatgtt taaaatttgg aactcgtaat	300
85	tactgttta atgattcagt ttcttcagag tggtaattgt ataaaaattgc tattgcagct	360
87	ttatattcaa tatgatgtgc ctgtaaacca aggagtttc cccgtttgttaaaaagacatt	420
89	gtagataattt gaatgttga ttttagaaag gtcattagtt tcttggtaaaaaatgtt	480
91	gtctggtttt tggtgcttat cgggttaat attgttctt	519
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95	<211> LENGTH: 140	
96	<212> TYPE: DNA	
97	<213> ORGANISM: Homo sapiens	
99	<400> SEQUENCE: 4	
100	ctacctatoc tgaatggctt gtcattgtct gcctttaaaa tccttcctct ttcttcctcc	60
102	tctattctct aaataatgtat ggggctaagt tataccaaa gtcacttta caaaatattt	120
104	cctcagtaact ttgcagaaaa	140
107	<210> SEQ ID NO: 5	
108	<211> LENGTH: 425	
109	<212> TYPE: DNA	
110	<213> ORGANISM: Homo sapiens	
112	<400> SEQUENCE: 5	
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115	ccttttatac tgatctgtga ttaaaggcgt aatattttaa gatggactgg gaaaaacatc	120
117	aactcctgaa gttagaaata agaatggttt gtaaaatcca cagctatatc ctgatgctgg	180
119	atggattttaa tcttggtag tcttcaactg gttagtgtga aatagttctg ccacctctga	240
121	cgcaccactg ccaatgctgt acgtactgca tttggccctt gagccaggtg gatgtttacc	300
123	gtgtgtata taacttcctg gtccttcac tgaacatgccc tagtccaaca tttttccca	360
125	gtgagtcaca tcctggatc cagtgtataa atccaatatc atgtcttgcataattctt	420
127	ccaaa	425
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131	<211> LENGTH: 454	
132	<212> TYPE: DNA	
133	<213> ORGANISM: Homo sapiens	
135	<400> SEQUENCE: 6	
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138	gtgggtgtct tgcgtccgct tctcgcccaa cagcagcaac cctatcatcg tctccgtgg	120
140	ctgggacaag ctggcaagg tatggaaacct ggctactgc aagctgaaga ccaaccacat	180
142	tggccacaca ggctatctga acacggtagc tgcgtctcca gatggatccc tctgtgcttc	240
144	tggaggcaag gatggccagg ccatgtttagt gatctcaac gaaggcaaac acctttacac	300
146	gttagatggt ggggacatca tcaacggccct gtgcgtcagc cctaaaccgct actggctgt	360
148	tgctgccaca ggccccagca tcaagatctg ggatttagag ggaaagatca ttgttagatga	420
150	actgaagcaa gaagttatca gtaccagcag caag	454
153	<210> SEQ ID NO: 7	
154	<211> LENGTH: 373	
155	<212> TYPE: DNA	
156	<213> ORGANISM: Homo sapiens	
158	<400> SEQUENCE: 7	
159	atcagggtat ttgttccacc ttggccaggc ctctcgag aagcttgc cccgtgtgg	60

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161	agggacggag	ccggactgga	catggtaact	cagtaccgcc	tgca	gtgtcg	ccatgactga	120			
163	tcatggctct	tgcat	ttttg	gttaatgga	gacttccgga	tcctgtcagg	gtgtccccca	180			
165	tgcctgaaag	aggagcttgt	ggctgccagc	cctggcggcg	gcacagcctg	ggcctccct		240			
167	tccctcaagc	cagggtctct	cctcctgtcg	tgggtcatt	tgccaggctc	agggcaggtc		300			
169	tggacagctg	tgactctct	caagccagga	ctaccgacca	gcccgtatg	ggcacattac		360			
171	gtgaccactg	gcc						373			
174	<210>	SEQ ID NO:	8								
175	<211>	LENGTH:	494								
176	<212>	TYPE:	DNA								
177	<213>	ORGANISM:	Homo sapiens								
179	<400>	SEQUENCE:	8								
180	agtgccgaca	ggacggtcat	tgattacaac	ggggaaacgca	cgctggatgg	ttttaagaaa		60			
182	ttcctagaga	gcgggtggcca	agatggggca	ggggatgtt	acgacctcg	ggacctcgaa		120			
184	gaagcagagg	agccagacat	ggaggaagac	gatgaccaga	aagctgtgaa	agatgaactg		180			
186	taatacgc	aaagccggaccc	gggcgcgtcc	gagacc	gggggctgca	cacc		240			
188	cagegcacgc	ctccgaagcc	tgccgcctcg	cttgaaggag	ggcgtcgccg	gaaacccaag		300			
190	gaacctctct	gaagtgcacac	ctcaccccta	cacaccgtcc	gttcacccccc	gtcttccct		360			
192	tctgttttc	ggtttttgg	aaacccggat	cctactctag	gcagccacc	tttgtggct		420			
194	tgtttccatg	aaaccatgatg	tacttttca	tacatgagtc	tgtccagagt	gctgtctacc		480			
196	gtgttcggag	tctc						494			
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200	<211>	LENGTH:	434								
201	<212>	TYPE:	DNA								
202	<213>	ORGANISM:	Homo sapiens								
204	<400>	SEQUENCE:	9								
205	cctacttcgg	tatctatgac	actgcaaagg	gaatgcttcc	ggatccaaag	aacactcaca		60			
207	tcgtcatcg	ctggatgatc	gcacagactg	tcactgctgt	tgccgggtt	acttcctatc		120			
209	catttgacac	cgttccgcgc	cgcacatgatg	tgca	gca	actgacatca		180			
211	tgtacacagg	cacgcgtgac	tgctggcgga	agattgctcg	tgt	gaagga	ggcaaaagctt	240			
213	ttttcaagg	tgcatggtcc	aatgttctca	gaggcatgg	tgg	gtctttt	gtgttgtct	300			
215	tgtatgatg	aatcaagaag	tacacataag	ttatttccta	ggat	tttcc	ccctgtgaac	360			
217	aggcatgtt	tatttataa	cacaatctt	agcattctt	acagact	cct	ggctgtcagt	420			
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223	<211>	LENGTH:	416								
224	<212>	TYPE:	DNA								
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228	gttggttcaa	actttgg	gca	cggactg	tca	gttctct	ggaa	gttgtt	cagcgc	atcc	60
230	tgcagggtt	ctccctct	gtt	tttgg	gaa	ccagg	gc	tct	cagg	gg	120
232	actgccc	aggc	tttgc	agg	aaatc	aaag	tg	atgt	tgat	gtcat	180
234	aatagaaaaa	gtggagttgg	tgaatcggtt	gttcttct	cacat	ttgg	tgat	gtc	at	aaatcaag	240
236	aagg	tttta	gcatgtt	cctttctc	acc	tttcc	ttgtt	ctt	at	aaatcaag	300
238	agaaacttca	aagttaatgg	gatggcgg	tctcacaggc	tgaga	actcg	ttcac	acc	at	ttca	360
240	agcatttcat	aaaaa	agctg	tttattt	atc	ata	ttt	acc	at	ttca	416
243	<210>	SEQ ID NO:	11								
244	<211>	LENGTH:	415								
245	<212>	TYPE:	DNA								
246	<213>	ORGANISM:	Homo sapiens								

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Input Set : E:\22337-Sequence Listing.txt  
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248 <400> SEQUENCE: 11  
249 accccttgtg aagcccaaga tcgtaaaaaa gagaaccaag aagttcatcc ggcaccagtc 60  
251 agaccgatat gtcaaaaattt agcgtaactg gcggaaaccc agaggcattt acaacagggt 120  
253 tcgtagaaga ttcaaggcc agatcttgc gcccacatt gttatggaa gcaacaaaaa 180  
255 aacaaagcac atgctgccc gtggctccg gaagttccg gtccacaacg tcaaggagct 240  
257 ggaagtgctg ctgatgtgca acaaatttca ctgtccgag atcgctcaca atgtttcctc 300  
259 caagaaccgc aaaaacatcg tggaaagagc tgcccaactg gccatcagag tcaccaacc 360  
261 caatgccagg ctgcgcagtg aagaaaatga gtggcagct catgtgcacg ttttc 415  
264 <210> SEQ ID NO: 12  
265 <211> LENGTH: 423  
266 <212> TYPE: DNA  
267 <213> ORGANISM: Homo sapiens  
269 <400> SEQUENCE: 12  
270 aataatttat tcccacatct acatcagtga aagctatcta cctatcctga gtctatctta 60  
272 aaggaaaaaa agaaaaaaac ttatctttt gcccatttt tgaattttcc actctttcat 120  
274 taatttgttt taagctcctg ttggaaaaaa agggtagtg cattttaaat tgaccttcat 180  
276 acgctttaa aataagacaa atctacttga taatgtacct ttatgtatc tcaagttgt 240  
278 taaaaccaat aaatttgcgt tactgcagta gtaatcttgc gcacacgggtt atttcatgtt 300  
280 atatatgcaa agttaggcaac tttttctta gttacagaag tttcaagctt cactttgtg 360  
282 cagtagaaac aaaagtaggc tacagtctgt gccatgttgc tgcacagttt ctgaaattgt 420  
284 ttt  
287 <210> SEQ ID NO: 13  
288 <211> LENGTH: 358  
289 <212> TYPE: DNA  
290 <213> ORGANISM: Homo sapiens  
292 <400> SEQUENCE: 13  
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295 aaaagacaga agccttgact tctgctaagc ggtacatcg gacggaccca gccaatcggt 120  
297 atcggcggac gcccatttcc gttgtgaagc aaggcttgc gcctccctcc tttgtggct 180  
299 gttccttgg ctggatgtat gattacttgc ctgtggaccc cttggacagg gccatggctg 240  
301 agctggctgc ctgaggaggg gcagggccca cccatgtcac cggtcagtgc cttttggAAC 300  
303 tgccttccc tcaaagaggg ctttagagcga gcagagcagc tctgctatgc gtgtgtgt 358  
306 <210> SEQ ID NO: 14  
307 <211> LENGTH: 529  
308 <212> TYPE: DNA  
309 <213> ORGANISM: Homo sapiens  
311 <400> SEQUENCE: 14  
312 cgtgtccag accatcctat actgtgactt ctttacttgc tacattacaa aagtactcaa 60  
314 gggaaagaag ctcagttgc cagcataagt gccaaagacc atcaccagca tctgtcccttc 120  
316 aggggtctcg gacagaattt ttaccacagc aaaggcataa gatgcttgc acggaaaatc 180  
318 agaaactttaa ctctttgtt gcagatagtc atcagtggct ctgtaaaaac gcagaggaaa 240  
320 agagccagaa gtttctgtt taatgcattt tgccttatct ttttttattt ctgtgtacaa 300  
322 agatttttt acacaaagaa acttaatgtt gtattaataa attcagtgtg tagcttcaat 360  
324 tggatagtt caaaaagtga agatttgtt aggaataagt gcaattttt ttttttattt 420  
326 aaaaaattttt ttgaaacttgc taagtcttgc tgcctgcattt gaaattgtac tccttgacag 480  
328 ttgatagatt atgtatttgc ccatccctca aacttgcattt ccactatata 529  
331 <210> SEQ ID NO: 15  
332 <211> LENGTH: 529  
333 <212> TYPE: DNA

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334 <213> ORGANISM: Homo sapiens  
336 <400> SEQUENCE: 15  
337 tccgctttgt ggccacatgg tgcagatga atatgacgag ctgtcctctg aagccctgga 60  
339 ggctgcccga atttgcaca ataagtacat ggtaaaaagt tgtggcaaag atggcttcca 120  
341 tatccgggtg cggctccacc ccttccacgt catccgcac aacaagatgt tgcctgtgc 180  
343 tggggctgac aggctccaaa caggcatgac aggtgcctt ggaaagcccc agggcactgt 240  
345 ggccagggtt cacattggcc aagttatcat gtccatccgc aacaagatgc agaacaagga 300  
347 gcatgtgatt gaggccctgc gcaggccaa gttcaagtt cctggccgccc agaagatcca 360  
349 catctcaaaag aagtggggct tcaccaagtt caatgctgat gaatttgaag acatgggtggc 420  
351 tgaaaagcgg ctcatcccag atggctgtgg ggtcaagtac atccccagtc gtggccctct 480  
353 ggacaagtgg cggccctgc actcatgagg gcttccaatg tgctgcccc 529  
356 <210> SEQ ID NO: 16  
357 <211> LENGTH: 393  
358 <212> TYPE: DNA  
359 <213> ORGANISM: Homo sapiens  
361 <400> SEQUENCE: 16  
362 aacactcttg tggtaagaa atctgatgtg gaggcaatct tttcaagta tggcaaaatt 60  
364 gtgggctgct ctgttcataa gggcttgc ttcgttcaatgtt atgttaatga gagaatgccc 120  
366 cgggctgctg tagcaggaga ggtggcaga atgattgtgc gccagggttt agatattaaac 180  
368 ctggctgcag agccaaaagt gaaaccgagga aaagcaggtg taaaacgatc tgcagcggag 240  
370 atgtacggct cctctttga ctggactat gacttcaac gggactatta tgataggatg 300  
372 tacagttacc cagcacgtt acctcctctt ctccttattt ctcggctgt agtgcctctg 360  
374 aaacgtcagc gtgtatcagg aaacacttca cga 393  
377 <210> SEQ ID NO: 17  
378 <211> LENGTH: 496  
379 <212> TYPE: DNA  
380 <213> ORGANISM: Homo sapiens  
382 <400> SEQUENCE: 17  
383 taggtatatc ctttggctt ccacagtcat gttgaggtgg gctccctgg atggaaaaaa 60  
385 gccaggtata atgttaacttc accccagcct ttgtactaag ctcttgcata tggatataact 120  
387 ctttaagtt tagccccaaat atagggtaaat gggaaatttcc tgcctctgg gttccccatt 180  
389 ttactatta agaagaccag tgataatttataatgccac caactctggc ttagttaaatgt 240  
391 gagagtgtga actgtgtggc aagagagcct cacacccac taggtgcaga gagccaggc 300  
393 cttatgttaa aatcatgcac ttgaaaagca aaccttaatc tgcaaaagaca gcagcaagca 360  
395 ttatacggc atcttgaatg atccctttga aattttttttt tttttttttt gttaaatca 420  
397 agcctgaggc tggtaacag tagctacaca cccatattgt gtgttctgtg aatgttagct 480  
399 ctcttgaatt tggata 496  
402 <210> SEQ ID NO: 18  
403 <211> LENGTH: 534  
404 <212> TYPE: DNA  
405 <213> ORGANISM: Homo sapiens  
407 <400> SEQUENCE: 18  
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410 tccaggcagc caagaacttg atgaatgtt tggtgcagac agtgaaggca tcctacgtcg 120  
412 cctctaccaa atacccaaatg tcacagggtt tggcttccctt caaccttccct gctgtgtcat 180  
414 ggaagatgaa ggcaccagag aaaaagccat tggtaagag agagaaaacag gatgagacac 240  
416 agaccaagat taaacggcata tcacatgtt ggcacgttacaa cccgggtgcag gcccctcagcg 300  
418 agttcaaaagc tatggacagc atctaaatgtt gcccaggccg gcccggccca cccctcgcccc 360  
420 ctcctgaata tcagtcactt ttcgtcactt aaatgtt gctaaataca acactgtatc 420

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; N Pos. 174,389  
Seq#:32; N Pos. 36  
Seq#:33; N Pos. 105,112,127,141  
Seq#:40; N Pos. 35  
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303  
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499  
Seq#:72; N Pos. 37,177  
Seq#:86; N Pos. 297,298  
Seq#:96; N Pos. 321,322  
Seq#:122; N Pos. 231  
Seq#:124; N Pos. 287  
Seq#:156; N Pos. 277  
Seq#:160; N Pos. 76  
Seq#:163; N Pos. 66  
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308  
Seq#:191; N Pos. 182,475,514,515  
Seq#:209; N Pos. 148  
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404

VERIFICATION SUMMARY  
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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120  
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360  
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60  
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120  
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0  
L:1297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60  
L:1299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120  
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:180  
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:240  
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:300  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:360  
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:420  
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:480  
L:1684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0  
L:1688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:120  
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240  
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300  
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180  
L:2894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240  
L:3644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240  
L:3744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60  
L:3825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60  
L:3881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180  
L:3885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:300  
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180  
L:4511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:420  
L:4513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:480  
L:4947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120  
L:5124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0  
L:5130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:180  
L:5134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:300  
L:5136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:360